

Srijay Mundlur

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EDUCATION

University of Waterloo

Bachelor of Applied Science in Mechatronics Engineering

Waterloo, ON

Sept. 2021 – April 2026

EXPERIENCE

Software Engineering Intern

Jan. 2023 – Apr 2023

Andie Connected Technologies

Toronto, ON

- Developed and maintained multiple web applications using [React.js](#), [Tailwind CSS](#), [HTML](#), and [Node.js](#)
- Worked with third-party [APIs](#) to [integrate](#) external services into the Andie web application to enhance user experience
- Improved web-page performance by [optimizing load sequences](#) to reduce load times by up to [68%](#)
- [Integrated](#) the front-end to the back-end data for the Andie web application using [RESTful APIs](#)
- Collaborated with various departments to enhance web-page readability by discussing layouts and improvements

Junior CAD Drafter

May 2022 – Aug. 2022

CBM Group

Mississauga, ON

- Implemented markups of plumbing, electrical and HVAC systems into architectural drawings using [AutoCAD](#)
- Calculated flow rates for plumbing systems and selected appropriate diameter piping
- Improved drafting efficiency by streamlining the markup to drafting process between coworkers

Teaching Assistant

Jun. 2018 – Jun. 2021

ZEBRA ROBOTICS

Mississauga, ON

- Taught and mentored an FLL team through the competition to the provincial level
- Planned lessons and activities to teach elementary and middle school students about [robotics](#)
- Instructed students on fundamental robotics programming concepts, including line following and color detection, utilizing [LEGO EV3 robots](#)

PROJECTS

YouTube Clone | [React.js](#), [REST API](#), [CSS](#), [Git](#)

- Developed a full-stack YouTube Clone with Node.js (Axios) serving a REST API with React as the front-end
- Integrated YouTube Data API endpoints to retrieve and display video metadata, user information, and recommended videos, enhancing the user experience
- Implemented responsive design and optimized loading times using React.js

Employee Dashboard | [React.js](#), [Python](#), [Django](#), [SQL](#), [Git](#)

- Developed a full-stack web application with [Django](#) and [React](#) for an employee management system
- Implemented the ability to track employees and departments currently operating within a company

Pinterest Website Clone | [React.js](#), [Tailwind CSS](#), [Git](#)

- Using [Visual Studio Code](#), developed a website using [React](#), [HTML](#) and [CSS](#) that mimics popular photo sharing platform Pinterest
- Implemented the ability to add, remove and link photos of varying sizes

OTHER EXPERIENCE

Senior Mechanical Captain

Sept. 2019 – Jun. 2021

FIRST ROBOTICS COMPETITION

Mississauga, ON

- Led and optimized the construction of the team's 100+ pound robot
- Utilized Microsoft [Word](#), [Excel](#), and [PowerPoint](#) to manage and teach members about mechanical design
- Machined and manufactured various component designs from [SOLIDWORKS](#) drawings to build complex mechanisms such as cascading elevators and claws to improve robot efficiency

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, C/C++, Java, HTML, CSS, SQL, MATLAB, Git

Frameworks: React, Node.js, Angular, Tailwind CSS, Django, FastAPI

Developer Tools: Git, Github, BitBucket, VS Code, Eclipse

CAD Software:: SOLIDWORKS, AutoCAD